BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

DASARAHALLI DIVISION

EMB

1st & Final Bill

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.(Page No. 6 / Item No. 2.4 of PWD SR 2018-19)						
	For Toilet Block						
	SSM Wall						
	Below GroundLevel						
	Main Walls	2	12.30	1.20	1.00	29.52	
		3	3.85	1.20	1.00	13.86	
	wall b/n toilet Rooms						
	Ladies	1	5.80	1.20	1.00	6.96	
	Gents	1	5.90	1.20	1.00	7.08	
		3	1.42	1.00	1.00	4.26	
		3	1.42	1.00	1.00	4.26	
	outside Wall	1	7.80	1.20	1.00	9.36	
	For Sanitory Pipeline Connection						
		1	20.00	0.75	0.90	13.50	
		1	6.00	0.75	0.90	4.05	
		1	4.00	0.75	0.90	2.70	
					Present Qty	95.55	Cum

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

1/45

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS (P.No. 12/I.No. 4.2 of PWD 2016-17)						
	For Toilet Block						
	SSM Wall						
	Below GroundLevel						
	Main Walls	2	12.30	1.20	0.15	4.43	
		3	3.85	1.20	0.15	2.08	
	wall b/n toilet Rooms	1	5.80	1.20	0.15	1.04	
		1	5.90	1.20	0.15	1.06	
		3	1.42	1.00	0.15	0.64	
		3	1.42	1.00	0.15	0.64	
	outside Wall	1	7.80	1.20	0.15	1.40	
	For Flooring						
	For Toilet Block						
	LadiesWaiting Hall	1	5.80	1.82	0.15	1.58	
	Rooms						
	Room-1	1	1.39	1.42	0.15	0.30	
	Room-2	1	1.25	1.43	0.15	0.27	
	Room-3	1	1.28	1.42	0.15	0.27	
	Room-4	1	1.43	1.27	0.15	0.27	
	Gents Waiting Hall						
		1	5.90	1.80	0.15	1.59	
		1	1.67	1.62	0.15	0.41	
	Rooms						
	Room-1	1	1.41	1.02	0.15	0.22	
	Room-2	1	1.33	1.42	0.15	0.28	
	Room-3	1	1.43	1.30	0.15	0.28	
	Bed For Sanitory Pipeline						
		1	20.00	0.75	0.15	2.25	
		1	6.00	0.75	0.15	0.68	
		1	4.00	0.75	0.15	0.45	
					Present Qty	20.14	Cum

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

2/45

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

	Pre measurement recorded on:						
tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 25 / Item No. 5.6, PWD SR 2018-19)						
	For Toilet Block						
	SSM Wall						
	Below GroundLevel						
	Main Walls	2	12.30	1.20	0.90	26.57	
		3	3.85	1.20	0.90	12.47	
	wall b/n toilet Rooms	1	5.80	1.20	0.90	6.26	
		1	5.90	1.20	0.90	6.37	
		3	1.42	0.90	0.90	3.45	
		3	1.42	0.90	0.90	3.45	
	outside Wall	1	7.80	1.20	0.90	8.42	
	Above Ground Level						
	1st step						
	Main Walls	2	12.30	0.90	0.75	16.61	
		3	3.85	0.90	0.60	6.24	
	wall b/n toilet Rooms	1	5.80	0.90	0.75	3.92	
		1	5.90	0.90	0.75	3.98	
		3	1.42	0.75	0.60	1.92	
		3	1.42	0.75	0.60	1.92	
	outside Wall	1	7.80	0.90	0.75	5.27	
	2nd Step						
	Main Walls	2	12.30	0.75	0.60	11.07	
		3	3.85	0.75	0.45	3.90	
	wall b/n toilet Rooms	1	5.80	0.75	0.60	2.61	
		1	5.90	0.75	0.60	2.66	
		3	1.42	0.60	0.45	1.15	
		3	1.60	0.60	0.40	1.15	
	outside Wall	1	7.80	0.70	0.50	2.73	
					Present Qty	**132.11**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

3/45

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

	Pre measurement recorded on:						
em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications (Page No. 115 / Item No. 15.3, PWD SR 2018-19)						
	For Toilet Block						
	Above Ground Level						
	1st step						
	Main Walls	1	12.30		0.75	9.23	
		1	3.85		0.60	2.31	
	2nd Step						
	Main Walls	1	12.30		0.60	7.38	
		1	3.85		0.45	1.73	
	outside Wall	1	7.80		0.50	3.90	
					Present Qty	**24.55**	**Sqm**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

4/45

Scanned with CamScanner

of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

Pre measurement recorded on:						
Discription of Item	**No**	**Length**	**Breadth**	**Depth**	**Qty**	**Unit**
Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (Page No. 7 / Item No. 2.10 / PWD SR 2018-19)						
Consider 50% of Item No.01					47.78	
				Present Qty	**47.78**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

5/45

Scanned with CamScanner

Name of Work:Improvements to roads and drains in Nagadevanahalli Surrounding Area in ward No-130 Ullala

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305. (P.No. 148, I.No. 19.6 of KPWD SR 2018-19)						
	For Flooring						
	For Toilet Block						
	LadiesWaiting Hall	1	5.80	1.82	1.10	11.61	
	Rooms						
	Room-1	1	1.39	1.42	1.15	2.27	
	Room-2	1	1.25	1.43	1.10	1.97	
	Room-3	1	1.28	1.42	1.00	1.82	
	Room-4	1	1.43	1.27	1.00	1.82	
	Gents Waiting Hall						
		1	5.90	1.80	1.10	11.68	
		1	1.67	1.62	1.10	2.98	
	Rooms						
	Room-1	1	1.41	1.02	0.90	1.29	
	Room-2	1	1.33	1.42	0.90	1.70	
	Room-3	1	1.43	1.30	0.90	1.67	
		1	12.50	14.00	0.90	157.50	
					Present Qty	**196.31**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

6/45

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Pre measurement recorded on:						
7	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6. (Page No. 14, Item No. 4.12, PWD SR 2018-19)						
	For Toilet Block						
	Plinth Beam SSM Wall						
	Below GroundLevel						
	Main Walls	2	12.30	0.90	0.30	6.64	
		3	3.55	0.90	0.30	2.88	
	wall b/n toilet Rooms	1	5.80	0.90	0.30	1.57	
		1	5.90	0.90	0.30	1.59	
	outside Wall	1	7.80	0.90	0.30	2.11	
	Above Ground Level						
	2nd step						
	Main Walls	2	12.30	0.45	0.30	3.32	
		3	3.55	0.45	0.30	1.44	
	wall b/n toilet Rooms	1	5.80	0.45	0.30	0.78	
		1	5.90	0.45	0.30	0.80	
		3	1.42	0.45	0.30	0.58	
		3	1.42	0.45	0.30	0.58	
	outside Wall	1	7.80	0.70	0.30	1.64	
	Lintel Beam						
	Main Walls	2	12.30	0.15	0.15	0.55	
		3	3.55	0.15	0.15	0.24	
	wall b/n toilet Rooms	1	5.80	0.15	0.15	0.13	
		1	5.90	0.15	0.15	0.13	
		3	1.42	0.15	0.15	0.10	
		3	1.42	0.15	0.15	0.10	
	Roof Slab						
		1	12.30	4.60	0.15	8.49	
					Present Qty	33.64	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

₹ 145

Scanned with CamScanner

Name of Work:Construction of General Public Toilet in Ward NO.13 Mallasandra Shettyhalli Sub Division

	Pre measurement recorded on:						
em lo	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No. 18/ Item No. 4.46.2, PWD SR 2018-19)						
	Plinth Beam-1						
	Main bar 16mm dia bar @Spacing 150mm c/c						
	0.89kg/mtr	12	47.00		1.58	891.26	
		12	7.80		1.58	147.89	
	Main bar 12mm dia bar @Spacing 150mm c/c						
	0.62kg/mtr	4	47.00		0.89	167.11	
		4	7.80		0.89	27.73	
	Stirrups						
	Main bar 16mm dia bar Spacing @150mm c/c						
	0.39kg/mtr	235	2.40		0.395	222.81	
		40	2.40		0.395	37.93	
	Plinth Beam-2						
	Main bar 12mm dia bar @Spacing 150mm c/c						
	0.89kg/mtr	6	55.50		0.89	296.00	
		8	7.80		0.89	55.47	
	Main bar 10mm dia bar @Spacing 150mm c/c						
	0.62kg/mtr	4	55.50		0.62	137.04	
		4	7.80		0.62	19.26	
	Stirrups						
	Main bar 16mm dia bar Spacing @150mm c/c						
	0.39kg/mtr	278	1.50		0.395	164.44	
		40	2.00		0.395	31.60	
	Lintel Beam						
	Main bar 12mm dia bar @Spacing 150mm c/c						
	0.89kg/mtr	4	55.50		0.89	197.33	
	Main bar 10mm dia bar @Spacing 150mm c/c						
	0.62kg/mtr	4	55.50		0.62	137.04	
	Stirrups						
	Main bar 12mm dia bar Spacing @150mm c/c						
	0.39kg/mtr	278	0.60		0.395	65.78	

8/45

Scanned with CamScanner

tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Roof Slab						
	Main bar 12mm dia bar @Spacing 125mm c/c						
	0.89kg/mtr	37	12.30		0.89	402.35	
	Distribution bar 10mm dia bar @Spacing 125mm c/c						
	0.62kg/mtr	98	4.60		0.62	279.41	
					Present Qty	**3280.45**	**Kg**
					Present Qty	**3.28**	**Tonne**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

9/45

Scanned with CamScanner